

**CARDIAC RESPONSE CLASSIFICATION USING
MULTIPLE CLASSIFICATION WINDOWS**

5

ABSTRACT OF THE DISCLOSURE

Methods and devices for classifying a cardiac response to pacing involve
10 establishing a plurality of classification windows relative to and following a pacing
pulse. One or more characteristics of a cardiac signal sensed following the pacing
pulse are detected within one or more particular classification windows. The
characteristics may be compared to one or more references. Classification of the
cardiac response may be performed based on the comparison of the one or more
15 characteristics to the one or more references and the particular classification
windows in which the one or more characteristics are detected.